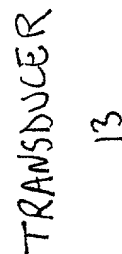


FIGURE 1



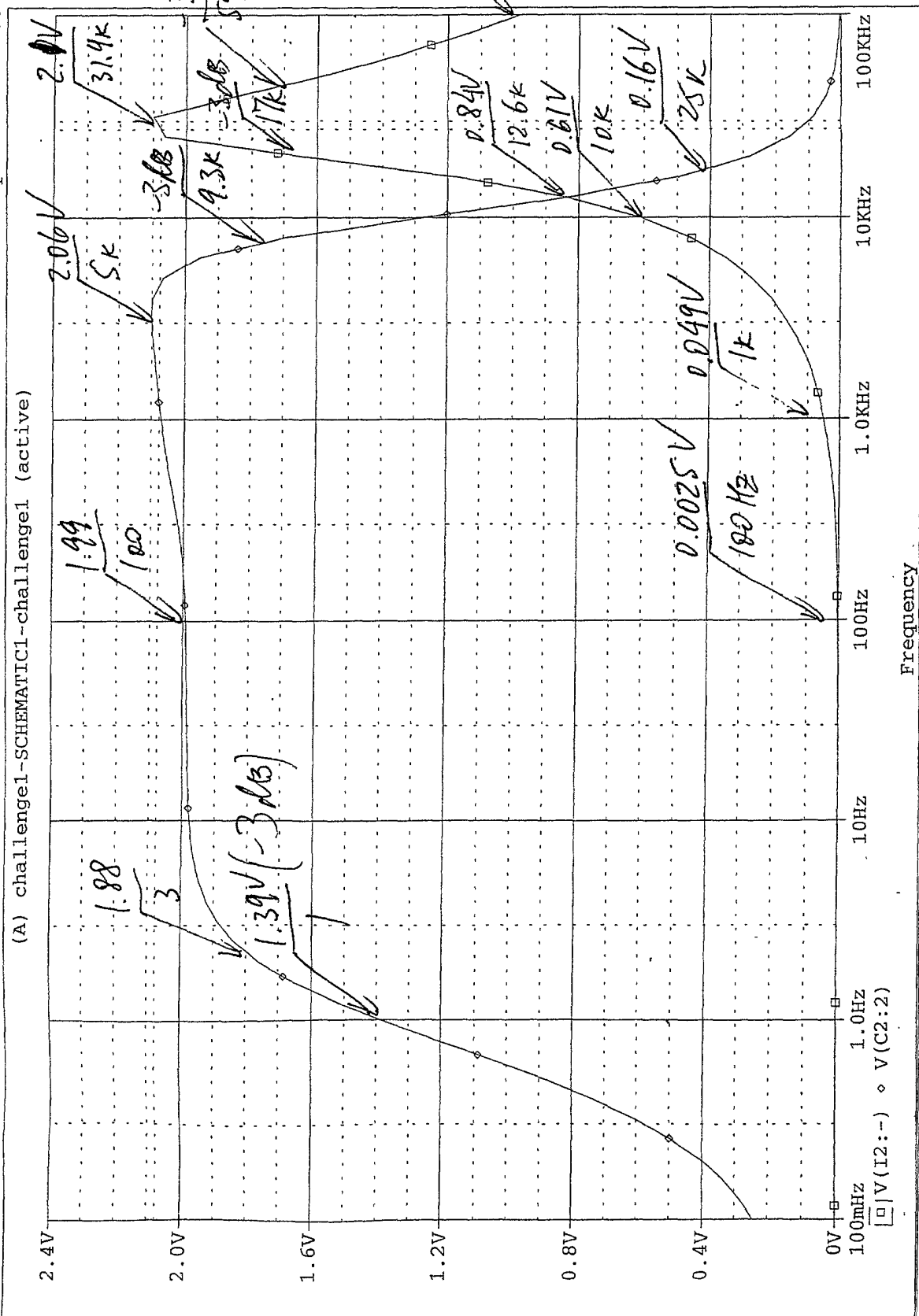
Li

11

$$V_{in} = V$$

Temperature: 27.0

(A) challenge1-Schematic1-challenge1 (active)



Frequency
A1: (27.361K, 2.0764) A2: (100.000m, 745.615u) DIFF(A): (27.361K, 2.0756)

Date: May-02, 2000

Time: 13:46:18

Fig. 3

5/2/80

TDS8000 096412450 Channel

X=27.38KHZ  
Ya=6.22601 dB  
FREQ RESP  
10.0

$V_B = 13.4V$

$T = 28^{\circ}C$

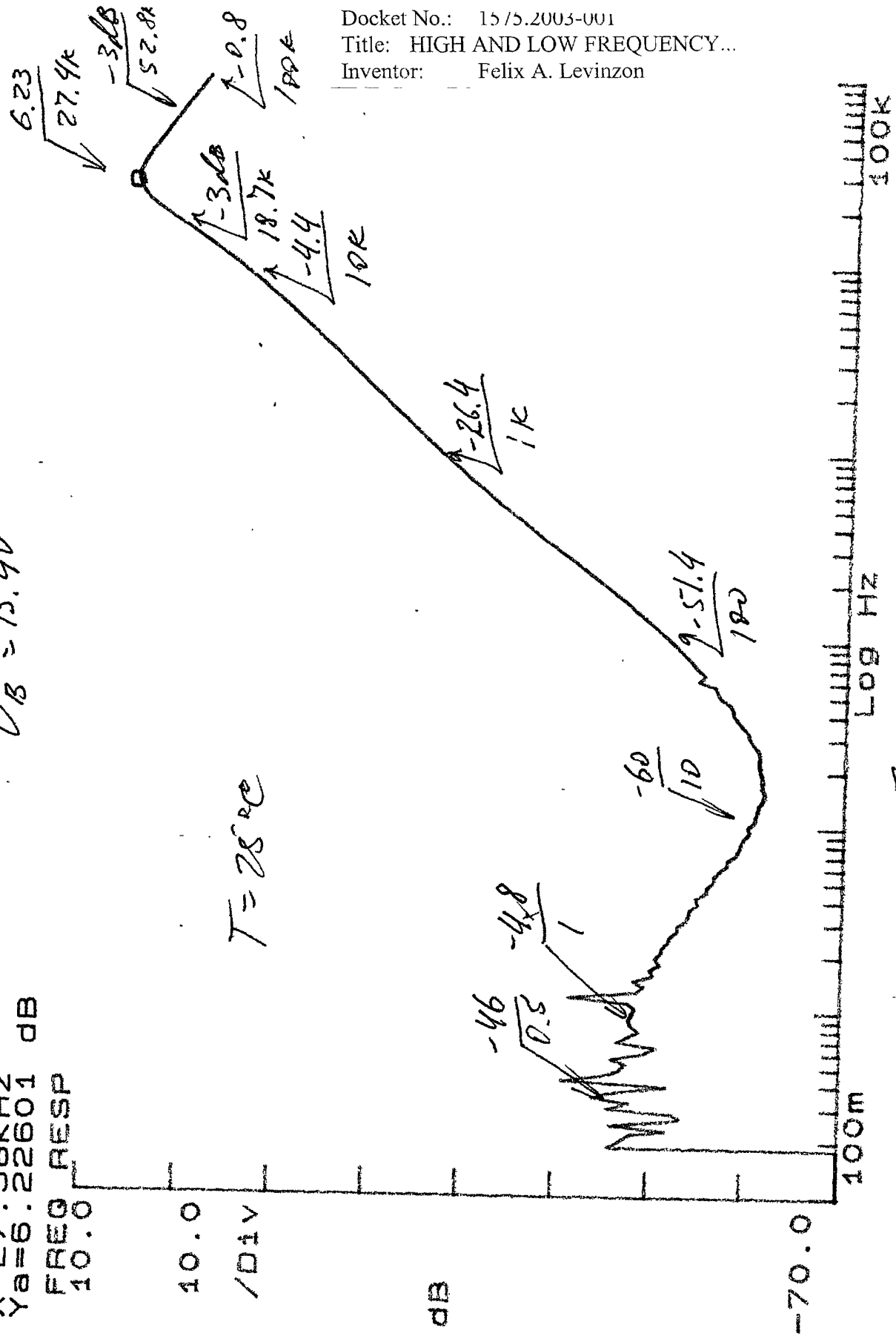


Fig. 4

5/2/00

FOCUS DATA Channel

$V_B = 11.1V$

X=27.38KHZ dB

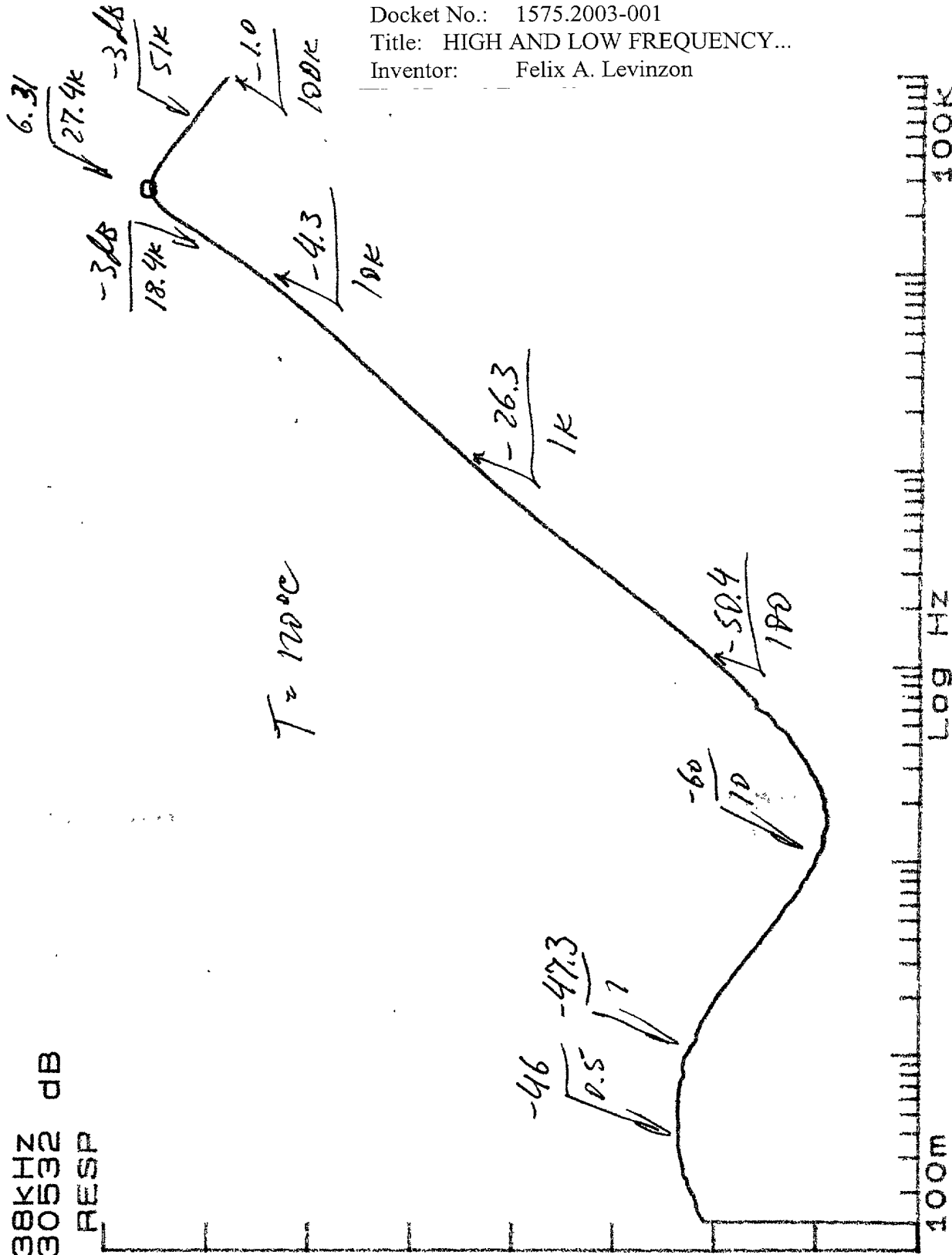
Y=6.30532  
FREQ RESP  
10.0

10.0

/Div

dB

-70.0



$T \approx 120^\circ C$

Fig. 5

LF Channel

$V_B = 12.7V$

X=100 Hz  
 Ya=6.4517 dB

FREQ RESP  
 16.0

8.0

/Div

dB

-48.0

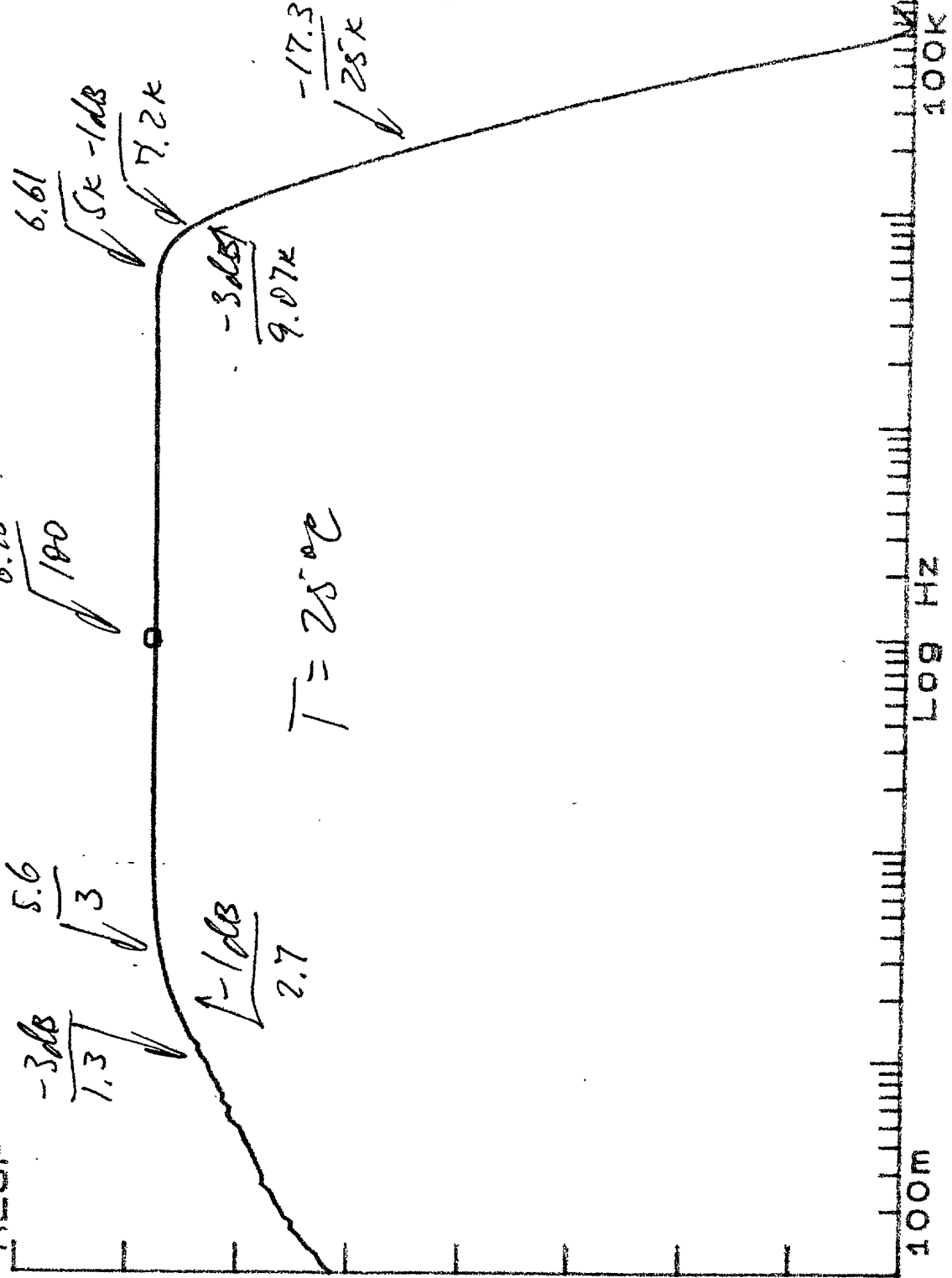


Fig. 6

000000 09642550

5/2/00

LF Channel

$V_B = 10.7V$

X=100 HZ  
 Ya=6.4987 dB  
 FREQ RESP  
 16.0

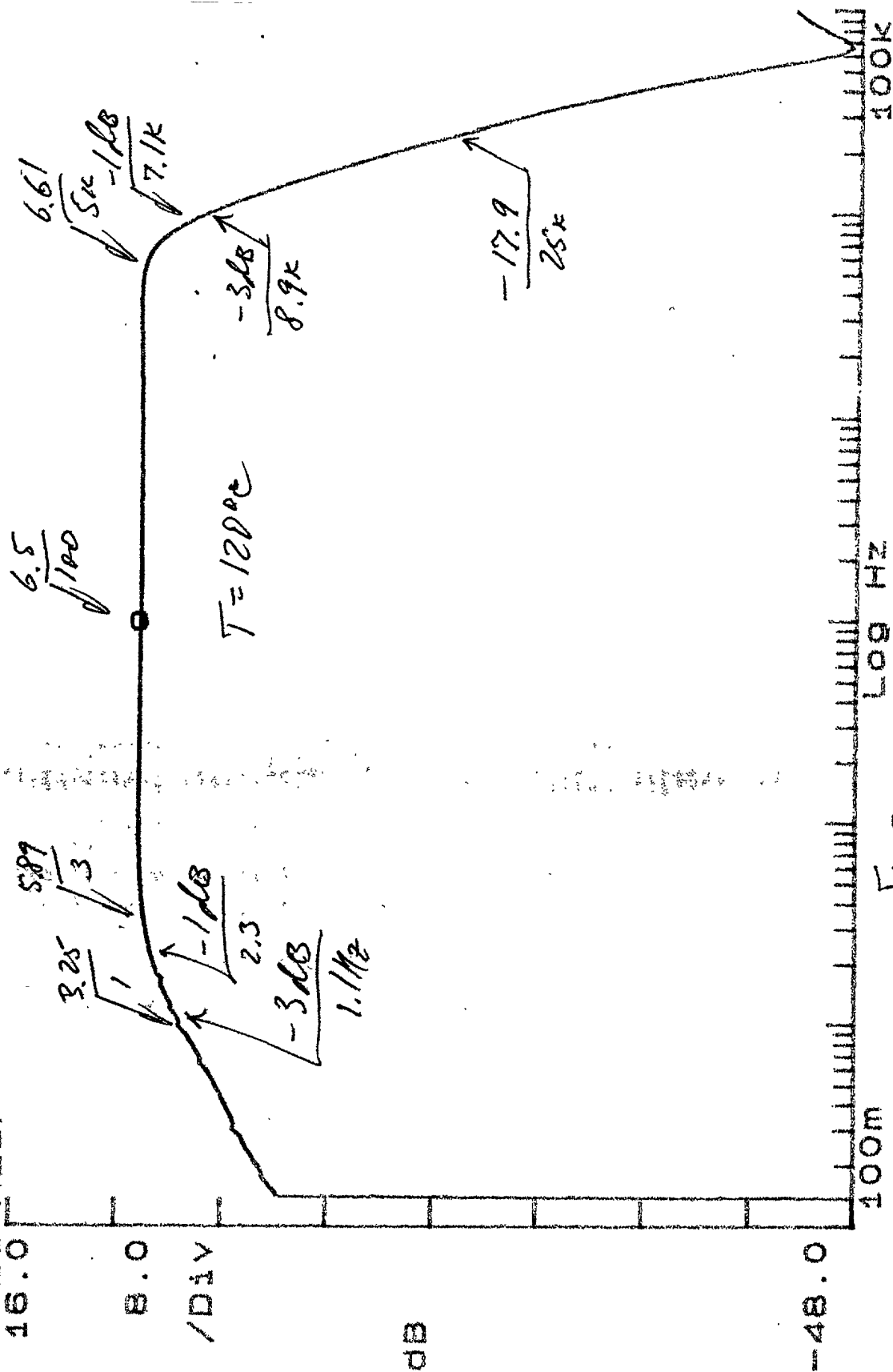


Fig. 7

10000" 09642550

5/3/80

LF Channel  $V_n(1-30K) = 28 \mu V rms$   
 $V_n(1-10K) = 21 \mu V rms$

X=1.029 HZ  
 Ya=2.83001  $\mu V / \sqrt{Hz}$

T=250C

LF  $\rightarrow$  V.S. - Buffer  
 HF  $\rightarrow$  Line, 24V, 4ms

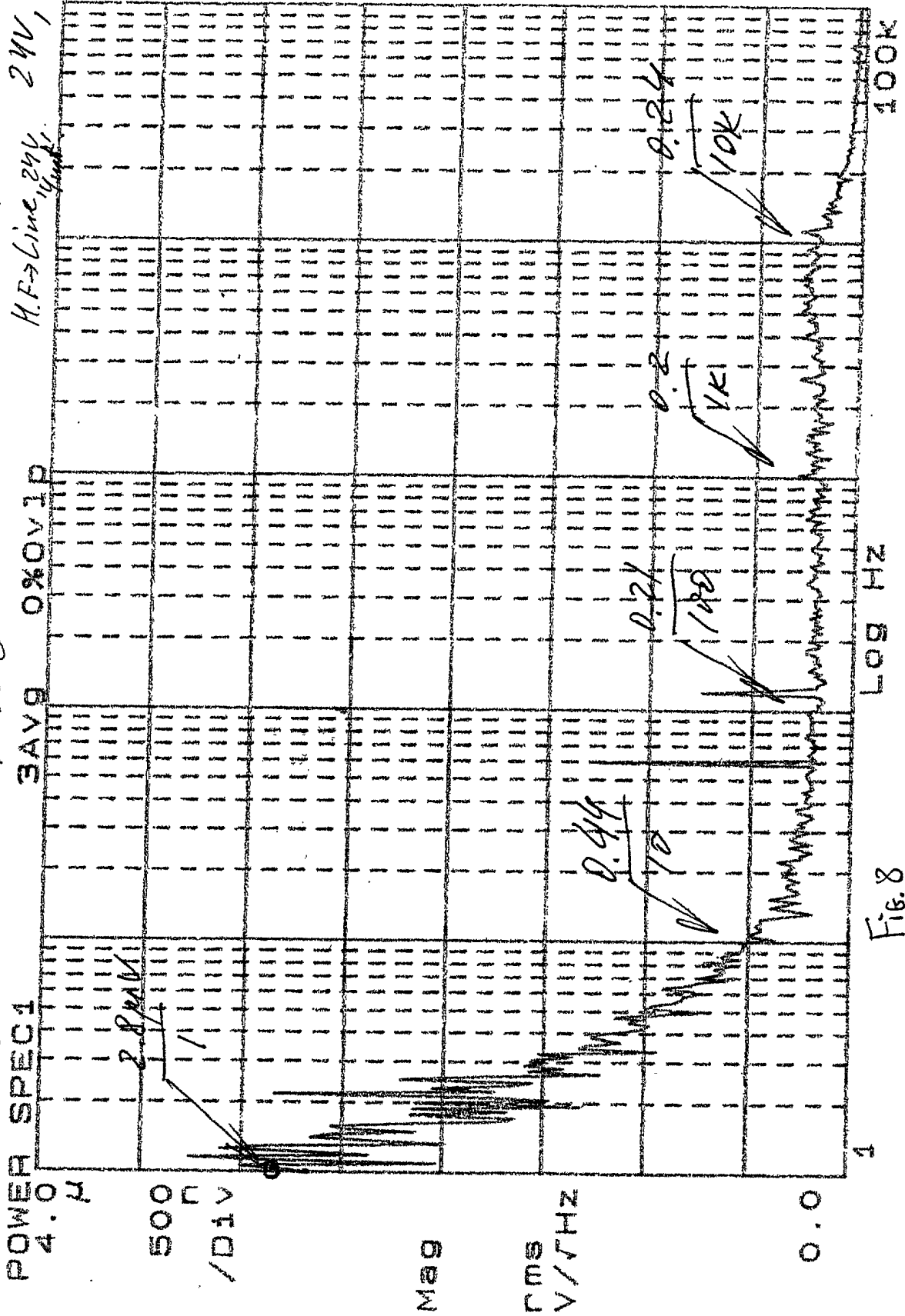


Fig. 8



09642660

5/3/80

$$V_n(1-30K) = 15 \mu V rms$$

$$V_n(1-100K) = 22 \mu V rms$$

X=1.059 Hz  
Ya=2.69781  $\mu V/\sqrt{Hz}$

POWER SPEC1  
6.4  $\mu$

3AVG 0%QV1P

QV1

HF Channel

L.F. - Battery 24V, 4mA  
H.F. - Line, 24V, 4mA

Docket No.: 1575.2003-001  
Title: HIGH AND LOW FREQUENCY...  
Inventor: Felix A. Levinzon

$$T = 25^\circ C$$

2.7  
1

Mag

rms  
V/ $\sqrt{Hz}$

0.4  
10

0.1  
100

0.04  
1K

0.05  
10K

0.11  
30K

0.0

1

Log Hz

100K

Fig. 9